Stewart FILMSCREEN

The Reference for Stunning™

8 Materials Reference Sheet

	StudioTek 100	StudioTek 130 G4	FireHawk G5	Phantom HALR
Picture				
Description	Superior performance, superb color and excellent white field uniformity. Our most requested residential fabric, StudioTek 100 is formulated to meet the strictest color and white field uniformity standards. This unity gain, reference material is an optimal diffuser and disperses light in a near perfect, distribution so that image brightness is virtually unchanged from any angle.	Higher brightness level, stellar color accuracy. StudioTek 130 G4 provides optimized white field uniformity — unmatched anywhere. StudioTek 130 G4 is thirty percent brighter than a matte white screen surface. Certified by THX, StudioTek 130 G4 is the reference standard projection material within the AV industry.	Superb black levels, excellent shadow detailing, and superior overall color saturation. FireHawk G5 is designed to provide the best possible trade-off between image fidelity and ambient light resistance. With increased image contrast and even better, off-axis viewing, FireHawk G5 delivers image exactness along with superior high contrast levels.	A stunning solution for high ambient light environments. Phantom HALR offers excellent ambient light rejecting capabilities from every angle. Unlike other manufacturers' offerings, Phantom HALR is available in any image size up to 40 by 90 feet — completely seamless. It is the only black screen on the market that can be perforated for acoustical transparency.
Available Screen System	Fixed, Motorized Retractable, Motorized Masking	Fixed, Motorized Retractable, Motorized Masking	Fixed, Motorized Retractable, Motorized Masking	Fixed, Motorized Retractable, Motorized Masking
Type of Material	Flexible Front	Flexible Front	Flexible Front	Flexible Front
Half Gain	*Lambertian	80°	35°	30°
Gain	1.0	1.3	1.1	1.0
Ambient Light Rejection (ALR)	No	No	Yes (73%)	Yes (82%)
Opaque Layer	Yes*	No	Yes*	Yes*
HDR	Yes	Yes	Yes	Yes
4K/8K/16K Ultra HD Ready	Yes	Yes	Yes	Yes
UST Compatible	Yes	No	No	No
Minimum Throw Distance	0.3 x Image Width	1.3 x Image Width	1.6 x Image Width	1.8 x Image Width
Best Environments	Dedicated Theater	Dedicated Theater	Media Room, Game Room, Auditoriums	Media Room, Game Room, Auditoriums
Can be Perforated	Yes	Yes	Yes	Yes
Greenguard Certified	Yes	Yes	Yes	Yes
Flame Retardant	Yes	Yes	Yes	Yes
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	Balón UST	GrayMatte 70	Neve (Cima)	Tiburon G4 (Cima)
Picture				
Description	A stunning solution for high ambient light environments. The Balón Edge UST surface features enhanced center-to-edge uniformity, superb contrast preservation, and exemplary color accuracy. Balón Edge UST has a neutral density gray tint with peak on-axis gain of 0.55, with an 85 degree half gain. The screen features a lenticular structure for the redirection of the highly variable angles of incident light, provided by UST projectors.	A great performer when overly bright projectors are used on small surface areas. A lower gain, flexible, front projection screen material formulated for use in edge blending applications. This fabric performs well with ultra short throw projectors. GrayMatte 70 is a neutral density, gray screen surface that can also dampen cross reflection in deeply curved or circular projection installations.	This high performance fabric features a super smooth surface and offers the widest possible viewing cone when ambient light can be controlled. Exclusive to Cima, Neve enjoys a loyal following in educational, corporate, and institutional settings. This durable fabric can be used in fixed frame as well as electric, roll down applications. For authentic sound reproduction, order Perforado, the perforated version of Neve.	A Cima exclusive fabric. Tiburon G4 offers the widest possible viewing cone when used in applications with moderate ambient light. The shade of gray is held to a super tight, spectral neutrality — no shift in color of any type. Tiburon G4 has a smooth, durable surface and can stand up to more demanding environments such as those found in schools and other institutional settings.
Available Screen System	Balón Series Only	Fixed, Motorized Retractable, Motorized Masking	Cima Fixed, Motorized Retractable	Cima Fixed, Motorized Retractable
Type of Material	Flexible Front	Flexible Front	Flexible Front	Flexible Front
Half Gain	85°	*Lambertian	80°	80°
Gain	0.55	0.7	1.1	0.8
Ambient Light Rejection (ALR)	Yes (80%)	Yes (38%)	No	Yes (40%)
Opaque Layer	Yes*	Yes*	Yes*	No
HDR	Yes	Yes	Yes	Yes
4K/8K/16K Ultra HD Ready	Yes	Yes	Yes	Yes
UST Compatible	Yes	Yes	No	No
Minimum Throw Distance	0.3 x Image Width	0.3 x Image Width	1.0 x Image Width	1.3 x Image Width
Best Environments	Media Room, Game Room, Auditoriums	Dedicated Theater, Low Ambient Light	Dedicated Theater	Dedicated Theater, Low Ambient Light
Can be Perforated	No	Yes	Yes	Yes
Greenguard Certified	Yes	Yes	Yes	Yes
Flame Retardant	No	Yes	Yes	Yes
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***** Screens can EITHER have an opaque layer OR be perforated, but not both. ***** Lambertian: The brightness one observes is always the same regardless of the viewing angle.

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